Portable Public Alert Radio with Weather Station Model: WRB603/WR602

USER MANUAL

EN

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INTRODUCTION

Thank you for selecting the Oregon Scientific™ Portable Public Alert Radio with Weather Station (WRB603/ WR602).

This radio (WR602) operates on the same radio frequencies used by the National Weather Radio (NWR) and can send you NOAA alert messages to warn you about weather and other environmental dangers. This lightweight, splashproof radio is constructed of durable materials and has a reception range of up to 50 miles (64 km). It is also equipped with a digital clock and daily alarm.

The weather station (WRB603) forecasts the weather, provides indoor / outdoor temperature and humidity readings, a clock, calendar and alarm, as well as a recharging cradle for the radio.

The remote sensor (RTGR328NA) sends the atomic clock signal and outdoor temperature and humidity information to the weather station.

Keep this manual handy as you use your new product. It contains practical step-by-step instructions, as well as technical specifications and warnings you should know.

WRB603_EN_R0 3 27/6/07, 3:31 PM

PRODUCT OVERVIEW

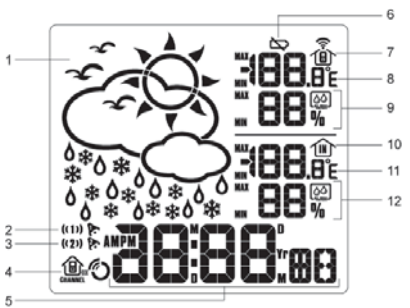
WEATHER STATION WRB603 - FRONT VIEW

1. **SNOOZE / LIGHT** button
2. ▲ / ▼ **:** Increase or decrease setting; activate or deactivate RF clock
3. **CHANNEL:** Switch between remote sensors
4. **MODE:** Change display / settings
5. **MEMORY:** View current max. / min. temperature and humidity readings
6. **:** Display alarm time; enter alarm setting mode
7. **Weather Forecast Area**
8. **Temperature / Humidity Area**
9. **Clock / Alarm / Calendar Area**
10. **Recharging cradle**
11. **LED indicator:** Shows red when radio is charging

WEATHER STATION WRB603 - BACK VIEW

1. **°C / °F** switch
2. **RESET** hole
3. **AC / DC adapter**

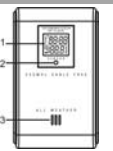
WEATHER STATION WRB603 - LCD



1. Weather display
2. Alarm 1
3. Alarm 2
4. Atomic clock signal status
5. Time / alarm time / calendar
6. Low battery icon for remote sensor
7. Channel no. / reception status
8. Outdoor temperature
9. Outdoor humidity
10. Indoor area icon
11. Indoor temperature
12. Indoor humidity

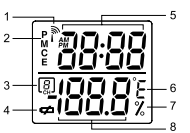
REMOTE SENSOR RTGR328NA – FRONT VIEW

1. LCD display
2. LED status indicator
3. Ventilation duct



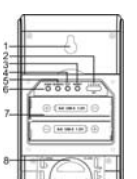
REMOTE SENSOR RTGR328NA – LCD

1. US time zone indicator
2. Reception
3. Channel no.
4. Low battery indicator
5. Time
6. Temperature (°C or °F)
7. Relative humidity
8. Temperature / humidity reading



REMOTE SENSOR RTGR328NA – BACK VIEW

1. Wall mount (recess hole)
2. Channel
3. **RESET**
4. **°C/°F**
5. **SEARCH**
6. **ZONE**
7. Battery compartment
8. Fold-out stand



RADIO WR602 – FRONT VIEW

1. **LCD**
2. **TR / HM:** Press and hold to select travel or home mode
3. **EXIT:** Press to exit any display or setting (clock is default setting)
4. ▲ / ▼ **:** Increase / decrease settings; increase / decrease volume; enable / disable alarm 1 or 2; scroll up or down to select county code
5. **LED indicator:** Red / green LED indicates radio ON / OFF and alert status
6. **:** Press and hold to activate / deactivate keypad lock
7. **:** Press to toggle between NOAA alert messages
8. **MENU:** Press to switch between clock, calendar, alarm 1 and 2 displays; press and hold to enter setting mode
9. **Radio speaker**

RADIO WR602 – BACK VIEW

1. **Antenna**
2. **Neck strap:** Insertion point for neck strap
3. **:** Press to activate 8-minute snooze and / or backlight for 5 seconds
4. **:** Press and hold to turn power ON / OFF; press to switch between NOAA ON / Standby / Mute / OFF modes
5. **External speaker jack**
6. **RESET** hole
7. **Battery compartment**

RADIO WR602 – BELT CLIP

RADIO WR602 – NECK STRAP

GETTING STARTED

BATTERIES

RADIO (WR602)

Rechargeable batteries are included and must be used if you want to use the recharging cradle. However, the radio can use 3 x UM-3 (AA) 1.5V batteries.

Insert the rechargeable battery by putting the piece at the end of the wire into the indentation at the bottom right of the battery compartment:

REMOTE SENSOR

2 x UM-3 (AA) 1.5V batteries

Insert batteries before first use, matching the polarity (+ and -) as shown in the battery compartment. Press **RESET** after each battery change.

shows when batteries are low.

UNIT	LOCATION
Remote sensor	Outdoor Temperature / Humidity Area

NOTE Do not use rechargeable batteries in the remote sensor. It is recommended that you use alkaline batteries with this product for longer performance and lithium batteries in colder climates. Please dispose of used batteries properly to prevent harm to the environment.

AC / DC ADAPTER

Insert the adapter into the weather station to turn it on and allow charging for the radio.

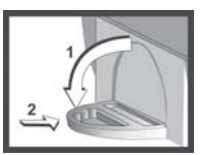
REMOTE SENSOR (RTGR328NA)

This remote temperature-humidity sensor can receive and transmit atomic clock signals, collect outdoor temperature and humidity readings, and then relay them back to the weather station. It can be used with up to 4 other remote temperature-humidity sensors.

NOTE Additional remote sensors that measure temperature and humidity are sold separately.

SET UP SENSOR

1. Open the battery compartment with a small Phillips screwdriver.
2. Set the channel number (1-5). If you are using more than one remote unit, select a different channel number for each unit
3. Insert the batteries.
4. Set the measurement unit (°F or °C) and select the US time zone – Pacific (P), Mountain (M), Central (C) and Eastern (E).
5. Press **RESET**.
6. Replace and secure the battery compartment lid.
7. Secure the sensor in the desired location using the wall mount or table stand.



For best results:

- Insert the batteries and select the channel before you mount the sensor.
- Place the sensor out of direct sunlight and moisture.
- Do not place the sensor more than 98 feet (30 meters) from the weather station.

- Position the sensor so that it faces the weather station, minimizing obstructions such as doors, walls, and furniture.
- Place the sensor in a location with a clear view to the sky, away from metallic or electronicobjects.
- Position the sensor close to the weather station during cold winter months as below-freezing temperatures may affect battery performance and signal transmission.

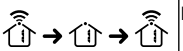
You may need to experiment with various locations to get the best reception.

Standard Alkaline batteries contain significant amounts of water. Because of this they will freeze in low temperatures of approximately 10°F (-12°C). Disposable lithium batteries have a much lower threshold for temperature with an estimated freezing range of below -40°F (-40°C). The Liquid Crystal Display in outdoor thermometers will remain operational to -20°F (-28°C) with adequate power.

Wireless ranges can be impacted by a variety of factors such as extremely cold temperatures. Extreme cold may temporarily reduce the effective range of the unit. If the unit's performance fails due to low temperature, the unit will resume proper functioning as the temperature rises to within the normal temperature range (i.e. no permanent damage will occur to the unit due to low temperatures).

DATA TRANSMISSION

Data is sent from the sensor approx. every 60 seconds. The reception icon shown in the Outdoor Temperature / Humidity Area indicates the status.

ICON	DESCRIPTION
	Main unit is searching for sensors
	Selected sensor has been found
	Sensor 1 is sending data. (The number shows which sensor is selected)
--- shows in Temp / Humidity Area	The selected sensor cannot be found. Search for the sensor or check batteries

SEARCH FOR SENSOR

To search for the temperature-humidity sensor, simultaneously press and hold **MEMORY** and **CHANNEL** on the weather station.

NOTE If the sensor is not found, check the batteries.

WEATHER STATION WRB603

This product tracks the time and date based on radio-controlled signals from the RTGR328NA sensor or manual settings that you enter.

ATOMIC CLOCK

The sensor automatically synchronizes the current time and date on the clock when it is brought within range of the WWVB-60 atomic clock signal generated from Fort Collins, Colorado. For more information, please visit: www.boulder.nist.gov/timefreq.stations/radioclocks.htm The signals are collected by the remote sensor whenever it is within 932 miles (1500 km) of a signal.

Initial reception takes 2-10 minutes, and is initiated when you first set up the sensor, and whenever you press **RESET**. If the RF signal is weak, it can take up to 24 hours to get a valid RF signal reception. Once complete, the reception icon will stop blinking.

The icon shown in the Clock Area indicates 2 factors:

- Connection between the weather station and the sensor that collects atomic clock signals ( ))))
- Atomic clock signal reception ( ))

How these signals work together:

ICON	MEANING
	The unit has contact with the sensor and has synchronized the time
	The unit has contact with the sensor but the time has not been synchronized
	The unit has lost contact with the remote sensor but the time is synchronized
	The unit has lost contact with the remote sensor and the time is not synchronized
	The unit cannot reach the remote sensor

NOTE To force a manual search for atomic clock reception, press and hold **SEARCH** on the sensor for 2 seconds.

TIME ZONES

When the main unit receives an atomic clock signal (via the sensor) for the first time, or when you force a manual search for the atomic clock reception, the time will automatically be set to Pacific time. To change to another time zone (M - Mountain, C - Central or E- Eastern) simply

1. Press and hold MODE for 2 seconds.
2. Press ▲ or ▼ to change the setting.
3. Press to confirm and exit setting mode.

TURN ATOMIC CLOCK ON / OFF

If you wish to manually set the clock, you must first disable the atomic clock feature. To do this, press and hold ▼ on the weather station for 2 seconds. To enable

it, press and hold ▲ for 2 seconds. This icon , will only appear on the display when the atomic clock is enabled.

SET CLOCK

You only need to do this if you have disabled the atomic clock, or if you are too far from the atomic clock signal.

1. Press and hold **MODE** for 2 seconds.
2. Press ▲ or ▼ to change the setting. (Press and hold to scroll quickly through the options.)
3. Press **MODE** to confirm and move onto the next one.
4. The settings will appear in the following order: Time zone, 12 / 24 hour format, hour, minute, year, month / day format, month, date, and display language.

NOTE The time zones available are P (Pacific), M (Mountain), C (Central) and E (Eastern).

NOTE The language options are E (English), F (French) and S (Spanish). The language you select determines the weekday display.

SWITCH CLOCK DISPLAY

Press **MODE** to toggle between Clock with Seconds, Clock with Weekday and Calendar display.

ALARM

This product is equipped with 2 alarms.

To view alarm settings:

Press to toggle between alarm 1, alarm 2 and clock display. The alarm time and status will show in the Clock Area.

To set the alarm:

1. Press once to select alarm 1 and twice to select alarm 2.
2. Press and hold for 2 seconds to enter setting mode.
3. The alarm settings will blink. Press ▲ or ▼ to change settings – hour and minute. (Press and hold to scroll quickly through the options.) Press to confirm.

To activate or deactivate the alarm:

Press once to select alarm 1 and twice to select alarm 2. Then press ▲ or ▼ to activate or deactivate the alarm.

- "-:--" appears when the alarm is deactivated.

- or shows in the Clock / Alarm Area when the alarm is activated.

To silence the alarm:

When the alarm time is reached, the crescendo alarm will sound for 2 minutes. To silence the alarm:

- Press **SNOOZE** to silence it for 8 minutes.
  OR
- Press any key on the weather station except **SNOOZE** to mute the alarm and activate it again after 24 hours.

If no button is pressed, the alarm will automatically silence after 2 minutes. It will then sound again after 8 minutes.

WEATHER FORECAST DISPLAY

This product forecasts the next 12 to 24 hours of weather within a 30-50 km (19-31 mile) radius with 70 to 75 percent accuracy. The weather forecast is always displayed.

SUNNY	PARTLY	CLOUDY	RAINY	SNOWY

TEMPERATURE AND HUMIDITY

This product can display current, minimum, and maximum temperatures and humidity percentage information collected by the remote sensor(s) and weather station (indoor).

Outdoor data is collected and displayed approx. every 60 seconds. Indoor data is collected and displayed every 10 seconds.

To select temperature unit:

Slide the **°C / °F** switch into the desired location. The switch is located on the back of the weather station. The setting for the weather station overrides the remote sensor setting.

To select channel:

Press **CHANNEL** to switch between sensors 1-5.

The icon shows the selected sensor:

INDOOR	CHANNEL 1	CHANNEL 2	CHANNEL 3	CHANNEL 4	CHANNEL 5

To auto-scan between sensors:

Press and hold **CHANNEL** for 2 seconds. Each sensor's data will be displayed for 3 seconds. To end auto-scan, press **CHANNEL** or **MEMORY**.

NOTE If you use a sensor that collects only temperature data, humidity will not be shown.

For more information on the sensor see Remote Sensor section.

To view minimum / maximum records:

Press **MEMORY** to toggle between current, maximum (MAX) and minimum (MIN) records. To clear the records, press and hold **MEMORY** for 2 seconds. A beep will sound to confirm that the memory has been cleared.

To force a manual search for the sensor:

Press and hold **CHANNEL** and **MEMORY**. See Atomic Clock section for how to check the signal status.

RADIO WR602

ABOUT THE NATIONAL WEATHER RADIO SYSTEM

The National Weather Service (NWS) is an agency within the National Oceanic & Atmospheric Administration (NOAA) that operates a nationwide network of radio stations known as the NOAA Weather Radio (NWR). The NWR radio system broadcasts warning information for all types of hazards, both natural and technological. Working in conjunction with the Emergency Alert System (EAS), NWR is an all-in-one hazards radio network and is considered to be the single source of all comprehensive weather and emergency information.

A nationwide network, the NWR consists of more than 800 stations in the United States, Puerto Rico, the US Virgin Islands and US Pacific Territories. Broadcasts are designed to meet local needs. Routine programming is repeated every few minutes and consists of local forecast, regional conditions and marine forecasts.

Additional information, including river stages and climatic data, is also provided. During emergencies, these routine broadcasts are interrupted to report specific warnings.

CONSUMER ELECTRONICS ASSOC. (CEA)

This product complies with the Consumer Electronics Association (CEA) testing standards.

TURN THE RADIO ON / OFF

To turn the radio ON / OFF, press and hold ⏻ .

When the unit is first connected to the battery pack or reset, on it will immediately enter the clock / language setting mode (see Change Settings section). It is advisable to set your preferred language English (E), French (F) or Spanish (S) at this time, so you can read the NOAA alert messages.

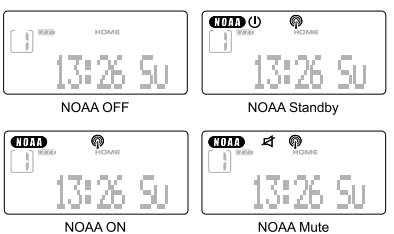
DISPLAY MODES

There are 2 display modes:

1. Clock mode
2. Radio status mode

To switch between the clock mode displays, press **MENU**.

To switch between the radio status mode displays, press ⏻.



NOTE Leaving the radio in NOAA ON mode will consume substantially more power. To save power, set the unit to NOAA Standby when you are not listening to radio broadcasts.

CHANGE SETTINGS

To change, clock, alarm, channel and location settings:

1. Press and hold **MENU** for 2 seconds to enter setting mode.
2. Press ▲ or ▼ to scroll through the setting options (Set Alarm / Set Clock / Set Channel / Set Location) and press **MENU** to select the desired one.
3. Use ▲ or ▼ to change a setting, then press **MENU** to confirm and move onto the next one.
4. Press **EXIT** to leave the setting mode at any time.

NOTE To reach a number quickly, press and hold ▲ or ▼.

RECEPTION SIGNAL STATUS

To check the status of the reception signal, look at the reception icon on the display.

ICON	DESCRIPTION
	Current selected channel signal is strong
	Current selected channel signal is weak
	No NOAA alert message has been received for 10 days. Current selected channel signal is weak
	No NOAA alert message has been received for 10 days. Current selected channel signal is strong

NOTE When the radio is set to NOAA ON, Standby or Mute, it will continually search for a NOAA signal.

NOAA ALERT MESSAGES WR602

MESSAGE CODES USED BY THE NWR

When the NWR airs urgent warnings, a digital code known as Specific Area Message Encoding (SAME) is included as part of the message. This coding system contains specific information including the localized geographical area affected and the expiration time of the message. The WR602 retrieves and interprets SAME code messages and alerts the user. When SAME codes for a specific region have been entered into the unit, the unit alerts the user to relevant warning information for the specified region. Once alerted, a voice broadcast can be heard.

SET UP RADIO TO RECEIVE NOAA ALERT MESSAGES

To receive a NOAA alert message, press ⏻ to set the radio to one of the following options:

- **Radio ON** [NOAA]: The radio is ON and voice messages can be heard continuously.
- **Radio Standby** [⏻]: The radio is in Standby and will switch to ON when a NOAA alert message is received.
- **Radio Mute** [🔇]: The radio is in Standby with the sound turned OFF. NOAA alert messages can be viewed but not heard. Switch the radio ON to hear messages.
- **Radio OFF**: The radio is turned OFF and will not respond to NOAA alert messages.

Turning the radio off by setting it to Standby, Mute or OFF will help to save power.

FINDING LOCAL CHANNELS & SAME CODES

The codes are subject to change. Therefore, to ensure successful operation you must obtain the most appropriate, up-to-date NWR radio channels and SAME codes for a specific county or region, from the contact details listed below.

To contact the NWS by telephone:

1. Phone 1-888-NWR-SAME (1-888-697-7263).
2. Follow prompts through a simple voice menu.

To obtain NWS radio channels and SAME codes on the internet:

1. Locate www.nws.noaa.gov/nwr/indexnw.htm
2. Click the State for which information is needed.

For example, clicking on “Montana” will give a list of information relevant to the State of Montana including

the names of counties, SAME codes, NWR transmitter locations, the frequency of the transmitter, the strength of the signal in WATTS, and any remarks as applicable.

Example of the first 10 county radio channels and SAME codes for Montana.

COUNTY/ CITY/AREA	SAME#	NWR TRANSMITTER	FREQ.	CALL	WATTS	RE-MARKS
Beaverhead	030001	Butte, MT	162.550	WXL79	100	
Beaverhead	030001	Dillon, MT	162.475	WXG638	150	
Big Horn	030003	Billings, MT	162.550	WXL27	300	
Blaine	030005	Havre, MT	162.400	WXL53	300	
Blaine	030005	Malta, MT	162.475	WWG85	100	
Broadwater	030007	Helena, MT	162.400	WXK66	1000	
Carbon	030009	Billings, MT	162.550	WXL27	300	
Carter	030011	Baker, MT	162.550	WXK57	300	N
Cascade	030013	Great Falls, MT	162.550	WXJ43	300	
Choteau	030015	BelgianHill, MT	162.500	WWG84	300	

NOTE Many counties have been subdivided into as many as 9 smaller subsections. The numbers 1-9 in the far left column of the SAME code identifies specific subsections of a county. If a county has not been subdivided, the first digit of the SAME code will be 0.

RADIO WR602 – CHANNELS

ABOUT RADIO CHANNELS

The NWR radio channels work in the same way as a regular radio channel. All of the NWR transmission stations operate on 1 of 7 frequencies.

CHANNEL	CORRESPONDING RADIO FREQUENCY
1	162.400 MHz
2	162.425 MHz
3	162.450 MHz
4	162.475 MHz
5	162.500 MHz
6	162.525 MHz
7	162.550 MHz
A	Auto – the unit will tune to the strongest RF signal available

The unit labels each frequency as a channel (1-7 or Auto). Once the radio frequency for a region has been selected the unit will receive voice and code information from that station.

The channel number in use can be viewed on the top left-hand corner of the LCD.

SETTING THE RADIO CHANNEL

To change the radio channel, navigate to “Set Channel” setting mode and select the desired Channel, as shown in the Changing Settings section.

RADIO WR602 – LOCATIONS

SETTING THE LOCATION

You need to set the location so that you can receive weather and environmental information for an area that is relevant to you.

You can choose the location by either the state and county name, or FIPS code. Up to 9 locations (1-9) can be stored.

NOTE If you do not set a location, the radio will use the default setting “CO:All” for all counties.

To set the location:

1. Navigate to “Set Location” setting mode as shown in the Changing Settings section.
2. Select where you want to store the location e.g. C1.
3. Select the 6-digit number e.g. “000000”. (“----” means the location is disabled.)
4. Select “Name” or “FIPS”.

- If you select “Name” you can select first the State and then the County of your chosen location, then press **EXIT**. (If you wish to receive State-wide NOAA messages, press **EXIT** once you have selected the State.)
- If you select “FIPS” you need to enter the 6-digit SAME code of your chosen location and then press **EXIT** (see Finding Local Channels & SAME Codes section for how to obtain a SAME code).

NOTE If at step 2 you select “C0:All” you will receive all warnings within the unit’s reception range. This may result in giving you information for regions that is not relevant. The regions can be as large as 5,000 square miles (13 sq km). If you select “CO:----“ you will disable the ALL option and will only receive warnings from specified local areas.

NOTE Once the location name is selected, the corresponding FIPS code will be set into the memory. You cannot convert the code back to the location name. (FIPS is the Federal Information Processing System number assigned to each State, or open waters in or around the US. The SAME code comprises of numbers generated by the FIPS system.)

ACTIVATE / DEACTIVATE LOCATION

You can activate / deactivate 1, some, or all of your stored locations.

When a location is activated, the 6-digit SAME code can be viewed in your stored locations display.

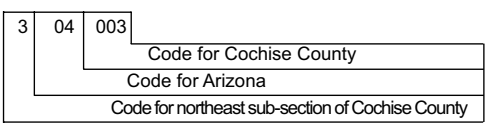
When a location is deactivated, “----” can be viewed in your stored locations display.

To switch between activated or deactivated location status:

1. Navigate to “Set Location” setting mode as shown in the Changing Settings section.
2. Select a stored location e.g. C4 and press **MENU**. Then when “000000” or “----“ is blinking, press ▲ or ▼ to activate or deactivate it and press **EXIT** to confirm the setting.

SAME CODE – WHAT EACH DIGIT MEANS

A SAME code is broken into six fields of numbers.



County Code of Cochise County, Arizona

State-county coding:

The 3 digits on the far right refer to the state county coding. Each county within a state will have an independent 3-digit code.

NOTE To receive all of the alerts for a given state, insert 000 into the county section.

State codes:

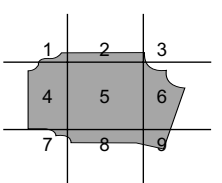
Moving towards the left, the next 2 digits are for state coding. Each of the 50 US states has their own 2-digit code.

County sub-section code:

The last digit on the extreme left is the county sub-section. A county may be subdivided into 9 sub-section; each number between (1-9) represents a specific county sub-section.

NOTE If the county sub-section code is stated as 0, then that county is not sub-divided and all alerts for that county will be received. To receive all of the alerts for a given county, insert 0 into the county sub-section.

A county can be subdivided as follows:	
1	Northwest
2	North Central
3	Northeast
4	West Central
5	Central
6	East Central
7	Southwest
8	South Central
9	Southeast



RECEPTION TEST

The fact that you can get clear voice reception does not guarantee that an emergency alert will trigger your unit's alert tone. To test actual reception, your unit must receive a test or emergency alert signal broadcast. The National Weather Service (NWS) broadcasts a test alert every week on Wednesday between 11AM and 12PM (noon). To find out the specific test schedule in your area, contact your local National Oceanic and Atmospheric Administration (NOAA) or National Weather Service (NWR) office. These offices are usually listed in the telephone book under "US Government".

REMEMBER For your system to be effective, you must place the emergency radio in a location where it can receive an emergency alert signal, you can hear its siren, and see its flashing indicator lights.

RECEPTION PROBLEMS AND SOLUTIONS

MANY THINGS AFFECT RECEPTION!

Forests, deserts, and hills / mountains tend to greatly reduce reception. Reception in cities may be reduced due to steel and concrete, while higher elevations will enhance the signal. Reception can vary from room to room. Moving even a few feet can enhance signal reception.

RECOMMENDATION Place the your weather radio near a window, away from other electronic equipment, and on an upper level of your house.

RADIO WR602 – HOME / TRAVEL MODE

When the unit is set to home mode, the NOAA radio will lock on the channel according to the Channel settings.

When the unit is set to travel mode, the NOAA radio will lock on the channel according to the setting. If the signal strength is weak, the unit will switch to another channel that has a good signal. The location will be set to "C0:All". Therefore, in travel mode, you will not always receive relevant NOAA alert messages, but it does mean that you can receive warning information when you are traveling outside your home area.

To switch between travel and home mode, press and hold **TR** / **HM**.

RADIO WR602 - INTERPRETING NOAA ALERT MESSAGES

This product is equipped to receive all required NOAA and Emergency Alert System (EAS) events. When an EAS event is sent by the NWS, any 1 of the following NOAA alert messages will be displayed on your radio: “WARNING”, “WATCH”, or “ADVISORY”. The unit can store up to 8 NOAA alert messages.

Additionally, to help you check that your radio is set-up and working properly, your local NOAA will release a Test NOAA message every Wednesday between 10am and noon, local time. To receive the Test message make sure that your radio is set to NOAA ON, NOAA Standby or NOAA Mute mode, that a Channel has been selected and a SAME code programmed in. If you have any questions regarding alarm tests or to verify if a test was conducted, contact the programming office of your local NOAA Weather Radio station.

To view NOAA alert messages, press ✉ .

For more information on how to interpret the NOAA alert messages, please refer to the list of National Events and Messages below:

NATURE OF ACTIVATION	SPANISH	FRENCH	MESSAGE
Administrative Message	Mensaje administrativo	Message administratif	ADVISORY
Avalanche Watch	Vigilancia de avalancha	Veille d'avalanche	WATCH
Avalanche Warning	Aviso de avalancha	Alerte d'avalanche	WARNING
Biological Hazard Warning	Aviso de riesgo biológico	Alerte risque biologique	WARNING
Boil Water Warning	Aviso de hervir agua	Alerte d'ébullition de l'eau	WARNING
Blizzard Warning	Aviso de ventisca	Alerte de blizzard	WARNING
Child Abduction Emergency	Emergencia de secuestro de menores	Alerte de rapt d'enfant	ADVISORY
Civil Danger Warning	Aviso de peligro civil	Alerte de danger civil	WARNING
Civil Emergency Message	Mensaje de emergencia civil	Message d'urgence civile	WARNING
Coastal Flood Watch	Vigilancia de inundaciones costeras	Veille d'inondation côtière	WATCH
Coastal Flood Warning	Aviso de inundaciones costeras	Alerte d'inondation côtière	WARNING
Chemical Hazard Warning	Aviso de riesgo químico	Alerte de risque chimique	WARNING
Contaminated Water Warning	Alerta de Agua Contaminada	Alerte de contamination de l'eau	WARNING

Dam Watch	Vigilancia de represa	Veille de barrage	WATCH
Dam Break Warning	Aviso de rompimiento de represa	Alerte de rupture de barrage	WARNING
Contagious Disease Warning	Aviso de enfermedad contagiosa	Alerte de maladie contagieuse	WARNING
Practice / Demo	Práctica/Demostración	Exercice/démonstration	ADVISORY
Dust Storm Warning	Aviso de vendaval de polvo	Alerte de tempête de poussière	WARNING
Emergency Action Notification	Anuncio de acción urgente	Notification d'action urgente	WARNING
Emergency Action Termination	Fin de acción urgente	Fin d'action urgente	STATEMENT
Earthquake Warning	Aviso de terremoto	Alerte de tremblement de terre	WARNING
Immediate Evacuation	Evacuación inmediata	Évacuation immédiate	WARNING
Evacuation Watch	Vigilancia de evacuación	Veille d'évacuation	WATCH
Food Contamination Warning	Aviso de contaminación de alimentos	Alerte de contamination d'aliments	WARNING
Flash Flood Watch	Vigilancia de inundaciones relámpago	Veille de crue subite	WATCH
Flash Flood Statement	Advertencia de inundaciones relámpago	Bulletin spécial de crue subite	ADVISORY
Flash Flood Warning	Aviso de inundaciones relámpago	Alerte de crue subite	WARNING
Flood Watch	Vigilancia de inundación	Veille d'inondation	WATCH
Flood Statement	Advertencia de inundación	Bulletin spécial de risque d'inondation	ADVISORY
Flood Warning	Aviso de inundación	Alerte d'inondation	WARNING
Fire Warning	Aviso de incendio	Alerte de feu	WARNING
Flash Freeze Warning	Aviso de helada repentina	Alerte de gel soudain	WARNING
Freeze Warning	Aviso de helada	Alerte de gel	WARNING
Hurricane Statement	Advertencia de huracán	Avis d'ouragan	ADVISORY
Hazardous Materials Warning	Aviso de materiales peligrosos	Alerte de matières dangereuses	WARNING
Hurricane Watch	Vigilancia de huracán	Veille d'ouragan	WATCH
Hurricane Warning	Aviso de huracán	Alerte d'ouragan	WARNING
High Wind Watch	Vigilancia de vientos fuertes	Veille de coup vent	WATCH
High Wind Warning	Aviso de vientos fuertes	Alerte de coup vent	WARNING

Iceberg Warning	Aviso de témpano de hielo	Alerte d'iceberg	WARNING
Industrial Fire Warning	Aviso de incendio industrial	Alerte de feu industriel	WARNING
Local Area Emergency	Emergencia de área local	Urgence locale	ADVISORY
Law Enforcement Warning	Aviso de las autoridades de la ley	Alerte des forces de l'ordre	WARNING
Land Slide Warning	Aviso de deslizamiento de tierra	Alerte de glissement de terrain	WARNING
National Audible Test	Prueba nacional de audibilidad	Essai Audible National	ADVISORY
National Information Center	Mensaje del NationalInformation Center	Message du centre national d'information	ADVISORY
Network Notification	Anuncio de mensaje en red	Notification de message réseau	ADVISORY
National Periodic Test	Prueba periódica nacional	Essai périodique national	ADVISORY
National Silent Test	Prueba nacional de silencio	Essai national de silence	ADVISORY
Nuclear Power Plant Warning	Aviso de riesgo nuclear	Alerte de centrale nucléaire	WARNING
Power Outage Advisory	Notificación de interrupción eléctrica	Avis d'une panne d'électricité	ADVISORY
Radiological Hazard Warning	Aviso de peligro radiológico	Alerte de risque radiologique	WARNING
Required Monthly Test	Prueba mensual obligatoria	Test mensuel obligatoire	ADVISORY
Required Weekly Test	Prueba semanal obligatoria	Test hebdomadaire obligatoire	ADVISORY
Special Marine Warning	Aviso especial de la Marina	Alerte martime spécial	WARNING
Special Weather Statement	Advertencia especial del estado del tiempo	Bulletin météorologique spécial	ADVISORY
Shelter In-Place Warning	Aviso de refugio	Alerte d'abri sur place	WARNING
Severe Thunderstorm Watch	Vigilancia de tormenta electrica severa	Veille d'orage violent	WATCH
Severe Thunderstorm Warning	Aviso de tormenta electrica severa	Alerte d'orage violent	WARNING
Severe Weather Statement	Advertencia de tiempo severo	Bulletin météorologique violent	ADVISORY
Tornado Watch	Vigilancia de tornado	Veille de tornade	WATCH
911 Telephone Outage Emergency	Interrupción telefónica 911	Interruption d'urgence service 911	ADVISORY
Tornado Warning	Aviso de tornado	Alerte de tornade	WARNING
Tropical Storm Watch	Vigilancia de tormenta tropical	Veille de tempête tropicale	WATCH
Tropical Storm Warning	Aviso de tormenta tropical	Alerte de tempête tropicale	WARNING

Tsunami Watch	Vigilancia de tsunami	Veille de tsunami	WATCH
Tsunami Warning	Aviso de tsunami	Alerte de tsunami	WARNING
Volcano Warning	Aviso de actividad volcánica	Alerte d'éruption volcanique	WARNING
Wild Fire Watch	Vigilancia de incendio	Veille de feu hors contrôle destructivo	WATCH
Wild Fire Warning	Aviso de incendio destructivo	Alerte de feu hors contrôle	WARNING
Winter Storm Watch	Vigilancia de tormenta de nieve	Veille de tempête de neige	WATCH
Winter Storm Warning	Aviso de tormenta de nieve	Alerte de tempête de neige	WARNING
Unrecognized Watch	Vigilancia desconocida	Veille inconnue	WATCH
Unrecognized Emergency	Emergencia desconocida	Urgence inconnue	ADVISORY
Unrecognized Statement	Advertencia desconocida	Risque inconnu	ADVISORY
Unrecognized Warning	Aviso desconocido	Alerte inconnu	WARNING

NOTE The 4 “Unrecognized” messages above will appear when a new NOAA alert message is created and broadcasted. The unit will not be able to recognize the message as it is not in the software database.

RADIO WR602 – CLOCK & CALENDAR

To set the time and date, navigate to “Set Clock” setting mode as shown in the Changing Settings section. The order of the settings is:

- 12 / 24 hour format, hour, minute, month / day format, year, month, day and day of the week language (English, French or Spanish).

NOTE The day of the week language you select will also be used for the NOAA alert messages.

NOTE When the radio is placed in the recharging cradle, the weather station will automatically synchronize the time with the atomic clock time (unless this feature has been disabled).

RADIO WR602 – ALARM

The unit has 2 alarms (alarm 1 and 2). They can be used together or independently. Alarms 1 and 2 have different sounds so that you can differentiate them. The alarm will sound for 1 minute unless it is disabled.

To set the alarm:

Navigate to “Set Alarm” setting mode as shown in the Changing Settings section. The order of the settings is; alarm 1 or 2, hour and minute.

To silence the alarm:

- Press to silence it for 8 minutes.
- Press and hold , or press any button except , to turn the alarm OFF and activate it again at the same time the next day.

To enable or disable the alarm:

- Press **MENU** until you reach alarm 1 or 2 display.
- Press or to enable or disable the alarm. “-:--” means disabled.

The alarm icon or will appear on the clock default display when the alarm is enabled.

RADIO WR602 – VOLUME

To set the radio volume:

1. In the clock display mode, set the radio to NOAA ON by pressing .
2. Press or to adjust the volume. (Maximum volume is 7 / minimum volume is 1.)

RADIO WR602 - EXTERNAL SPEAKER JACK

The external speaker jack allows you to connect the radio with an external speaker system so that braodcasts can be announced in public areas i.e. schools, hotels, train stations etc.

BACKLIGHT

Press to activate the radio backlight and **SNOOZE / LIGHT** to activate the weather station backlight.

RESET SYSTEM

Press **RESET** when you change the batteries and whenever performance is not behaving as expected.

WARNINGS

This product is designed to give you years of service if handled properly. Oregon Scientific will not be responsible for any deviations in the usage of the device from those specified in the user instructions or any unapproved alterations or repairs of the product. Observe the following guidelines:

- Please note that placement of this product on wood surfaces with certain types of finishes, such as clear varnish, may result in damage to the finish. Please consult the furniture manufacturer's care instructions for direction as to the types of objects that may safely be placed on the wood surface. Oregon Scientific shall not be responsible for any damage to wood surfaces from contact with this product.
- The product is splash proof but do not immerse it in water. This can cause electrical shock and damage the product.
- Clean the product with a slightly damp cloth and alcohol-free, mild detergent. Avoid dropping the product or placing it in a high-traffic location.
- Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity.
- Do not tamper with the internal components.
- Do not mix new and old batteries or batteries of different types.
- Remove the batteries if storing this product for a long period of time.
- Do not scratch the LCD screen.

NOTE The technical specification of this product and contents of this user guide are subject to change without notice. Images not drawn to scale.

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SPECIFICATIONS

WEATHER STATION (WRB603)	
Dimensions	4.5 (L) x 9.2 (W) x 2.8 (D) inches (114 x 234 x 71 mm)
Weight	11.85 ounces (336 g)
Operating temp	23°F to 122°F (-5°C to 50°C)
RF Clock	Auto or manual (disabled)
Clock	12 / 24 hour. HH:MM:SS
Calendar	DD:MM:YYYY or MM:DD:YYYY formatDay of the week language in English,French or Spanish
Alarm	2 x 2-minute duration alarms
Snooze	8-minute snooze
Accuracy	+ / - 0.5 seconds / day
Temperature unit	°F / °C
Resolution	0.2°F (0.1°C)
Relative humidity range	25% to 95%
Relative humidity resolution	1%
Relative humidity and temp memory	Minimum / Maximum
Weather forecast display	Rainy, cloudy, partly cloudy, sunny, snowy
REMOTE SENSOR (RTGR328NA)	
Dimensions	4.57 (L) x 2.76 (W) x 0.96 (D) inches(116 x 70 x 24.5 mm)
Weight	0.25 lbs (156 g) with batteries
RF frequency	433 MHz
Range	Up to 98 feet (30 meters)
Transmission	Approx. 1 minute
Channel no.	1, 2, 3, 4 or 5
Temperature unit	°F / °C
Operating temp	-22°F to 140°F (-30°C to 60°C)
Relative humidity range	25% to 95%
Relative humidity resolution	1%
RADIO (WR602)	
Dimensions	5.4 (L) x 3 (W) x 1.4 (D) inches (137 x 74 x 35 mm)
Weight	4.5 oz (131 g) without batteries
Operating temp	23°F to 122°F (-5°C to 50°C)
Channels	Digital PLL tuning for 7 NOAA channels
SAME code setting	9 independent settings or ALL counties
RF reception range	50 miles (64 km)
Volume	7 adjustment levels
Clock	12 / 24 hr format
Calendar	DD:MM:YYYY or MM:DD:YYYY format Day of the week language in English, French or Spanish
Daily alarm	2 x 1-minute duration alarms
Snooze	8-minute snooze
POWER	
Weather station	9V AC / DC adapter

Remote sensor	2 x UM-3 or (AA) size 1.5V battery
Radio	Rechargeable battery pack or 3 x UM-3 (AA) size 1.5V battery

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products such as digital cameras; MP3 players; children's electronic learning products and games; projection clocks; health and fitness gear; weather stations; and digital and conference phones. The website also includes contact information for our Customer Care department in case you need to reach us, as well as frequently asked questions and customer downloads.

We hope you will find all the information you need on our website, however if you're in the US and would like to contact the Oregon Scientific Customer Care department directly, please visit:

www2.oregonscientific.com/service/support

OR

Call 1-800-853-8883.

For international enquiries, please visit:
www2.oregonscientific.com/about/international

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

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- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We

Name:	Oregon Scientific, Inc.
Address:	19861 SW 95th Ave.,
Oregon	Tualatin, 97062 USA
Telephone No.:	1-800-853-8883

declare that the product

Product No.:	WRB603
Product Name:	Weather Station
Manufacturer:	IDT Technology Limited
Address:	Block C, 9/F, Kaiser Estate, Phase 1,41 Man Yue St., Hung Hom, Kowloon, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.

CE